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IEEE Robotics and Automation Society (RAS)  
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## Call For Papers

**Objectives:** The 2010 IEEE/ASME International Conference on Advanced Intelligent Mechatronics will be held on July 6-9, 2010 in Montreal, Canada. The purpose of the IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM), following the footsteps of the previous eight editions, is to promote activities in various areas of mechatronics by providing a forum for exchange of ideas, presentation of technical achievements, and discussion of future directions. The AIM brings together an international community of experts to discuss the state-of-the-art, new research results, perspectives of future developments, and innovative applications relevant to mechatronics, robotics, control, automation, and related areas. Additionally, selected papers with the highest quality will be considered for publication in a Focused Issue in the IEEE/ASME Transactions on Mechatronics. For the most up to date information and a complete list of committee members, please continue to visit the conference website shown below.

**Topics:** include but not limited to Actuators, Automotive Systems, Aerospace Engineering, Bioengineering, Data Storage Systems, Electronic Packaging, Fault Diagnosis, Human-Machine Interfaces, Industry Applications, Information Technology, Intelligent Systems, Machine Vision, Manufacturing, Micro-Electro-Mechanical Systems, Micro/Nano Technology, Modeling and Design, Motion Vibration and Noise Control, Neural and Fuzzy Control, Motion Control, Optimal and Adaptive Control, Opto-Electronic Systems, Planning and Navigation, Prototyping, Real-Time and Hardware-in-the-Loop Simulation, Robotics, Sensors, System Integration, Transportation Systems, and other applications including new frontier fields of Advanced Intelligent Mechatronics.

**Contributed Papers:** Accepted and presented papers will be indexed by EI and included in IEEE Xplore®.

**Venue:** Montréal is a welcoming and cosmopolitan city, with legendary dining, world-renowned museums and performing arts, chic shops, and a population ferociously proud of its language and culture. Built on an island of the same name, Montréal lies in a bend of the St. Lawrence River 1,609 kilometers (1,000 miles) from the Atlantic Ocean. It embraces an inner-city mountain and a sea-level riverside, historic buildings and striking modern architecture, a French-speaking majority but over half the population also speaks English. The downtown core and most-visited neighborhoods are busy and vibrant, and Montréal's 3 million inhabitants retain the joie de vivre that gives the city its flair. Culturally, there are few cities that beat it. The number of museums located in and around the city is daunting, and includes notable names like the McCord Museum of Canadian History. Other historically significant sites around Montreal include the Notre-Dame Basilica, one of the largest cathedrals in North America. The nearby Quebec City is considered to be the cradle of French civilization in North America. Its Old Quarter is the only walled city in North America, and is a UNESCO World Heritage Site. Visiting Quebec City is an experience you will never forget. For further information on the venue, please refer to the website (<http://www.tourisme-montreal.org/>).

### Important Dates:

Submission of Full Paper & Invited Session Papers  
Notification of Paper Status  
Submission of Final Paper  
Advanced Registration

February 1, 2010  
April 7, 2010  
April 30, 2010  
May 15, 2010

<http://www.aim2010.info>

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